

1/7

NH₂ Phe Pro Ile Pro Leu Pro Tyr Cys Trp Leu Cys Arg Ala Leu Ile
Lys Arg Ile Gln Ala Met Ile Pro Lys Gly Ala Leu Ala Val Ala Val
Ala Gln Val Cys Arg Val Val Pro Leu Val Ala Gly Gly Ile Cys
Gln Cys Leu Ala Glu Arg Tyr Ser Val Ile Leu Leu Asp Thr Leu
Leu Gly Arg Met Leu Pro Gln Leu Val Cys Arg Leu Val Leu Arg
Cys Ser Met-COOH

FIG. 1

Native Human SP-B 1-25

NH₂-F P I P L P Y C W L C R A L I K R I Q A M I P K G - COOH

SP-B 1-25 (Cys-11 > Ala-11) variant monmer

NH₂-F P I P L P Y C W L A R A L I K R I Q A M I P K G - COOH

Amino acid sequence of SP-B 1-25 (Cys-11 > Ala-11) variant monmer

FIG. 2

SP-B 1-25 (Cys-11 > Ala-11) variant disulfide linked homodimer

NH₂-F P I P L P Y C W L A R A L I K R I Q A M I P K G - COOH

|
S

|
S

NH₂-F P I P L P Y C W L A R A L I K R I Q A M I P K G - COOH

Amino acid sequence of SP-B 1-25 (Cys-11 > Ala-11) variant homodimer

FIG. 3

Electrospray SP-B 1-25 (Cys-11 > Ala-11) variant disulfide linked homodimer

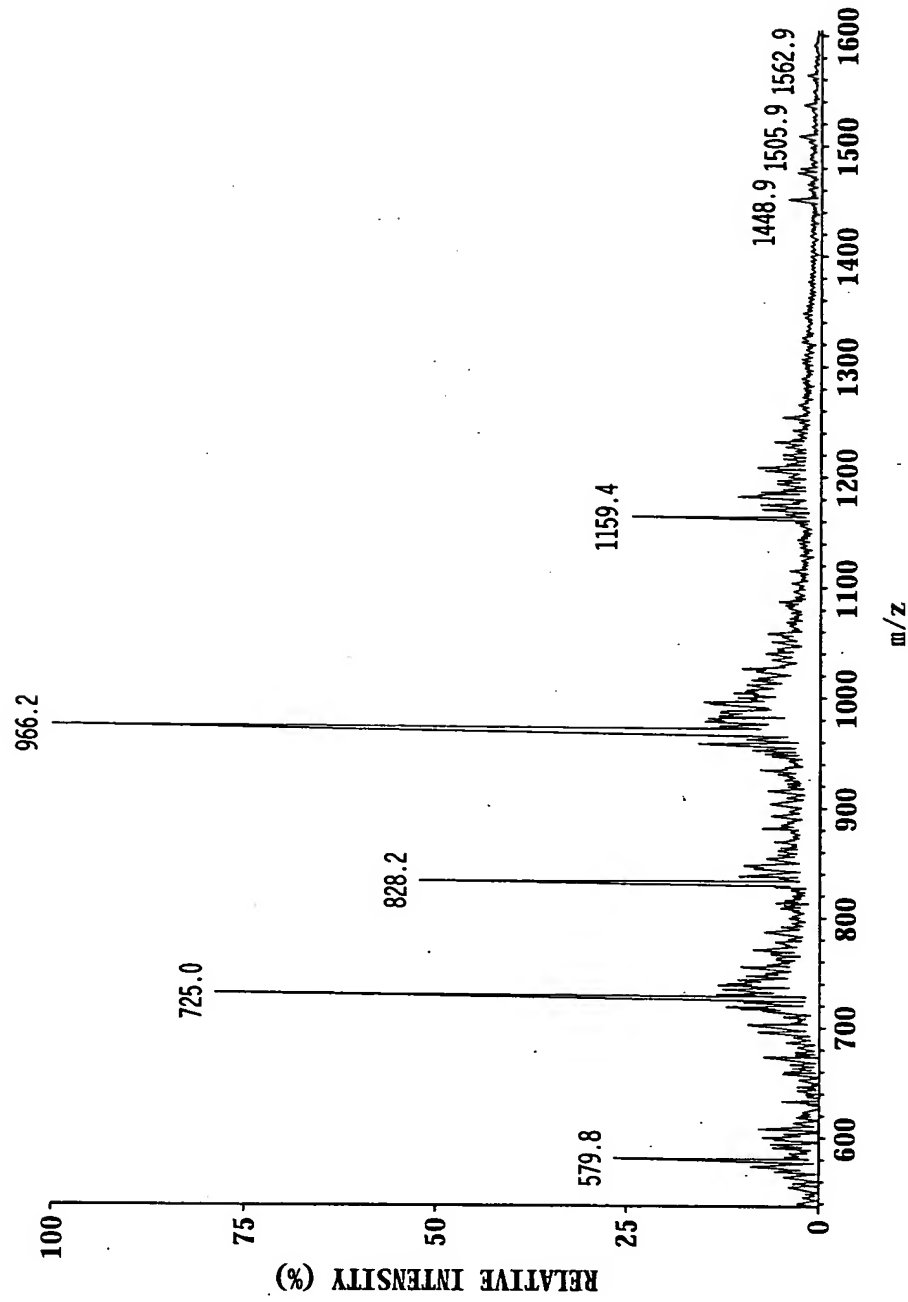


FIG. 4

CD spectrum of SP-B 1-25 dimer in structure promoting solvent system of TFE:phosphate buffer

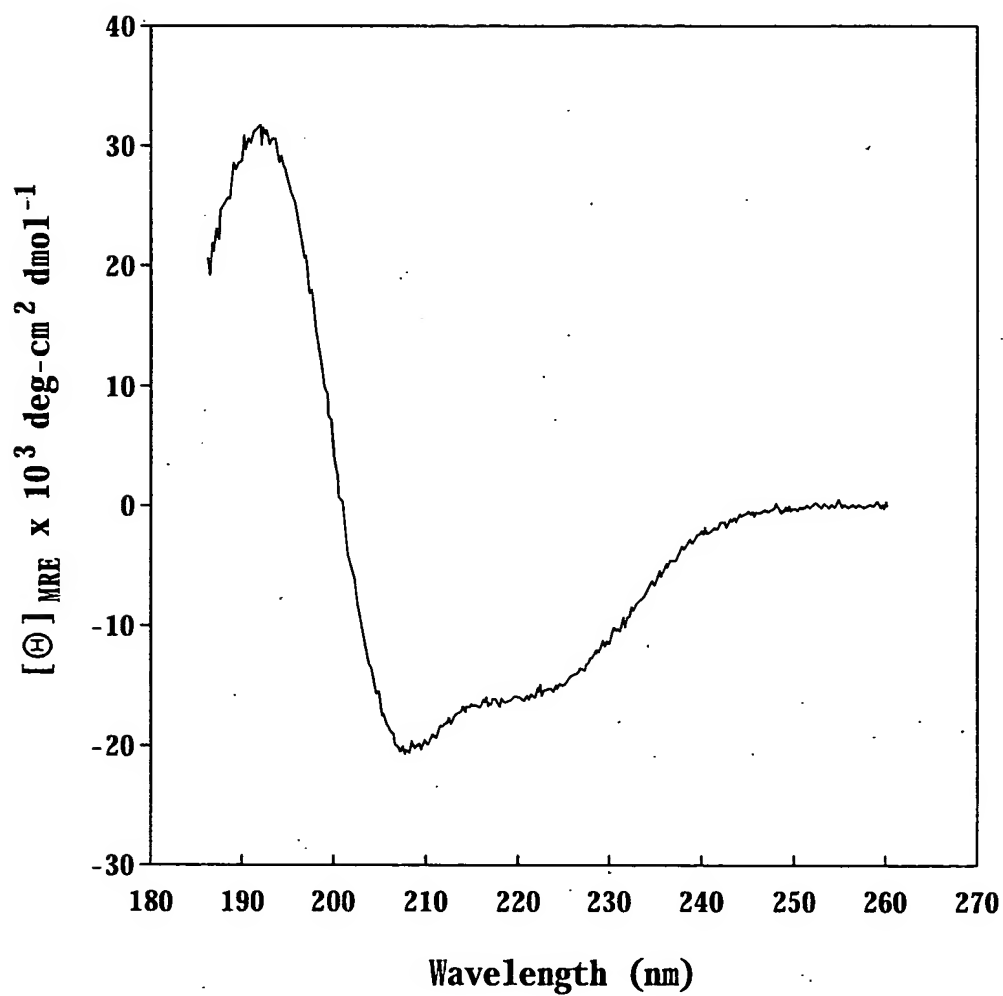


FIG. 5

**CD spectrum of SP-B 1-25 dimer in
POPG liposomes with PBS Buffer**

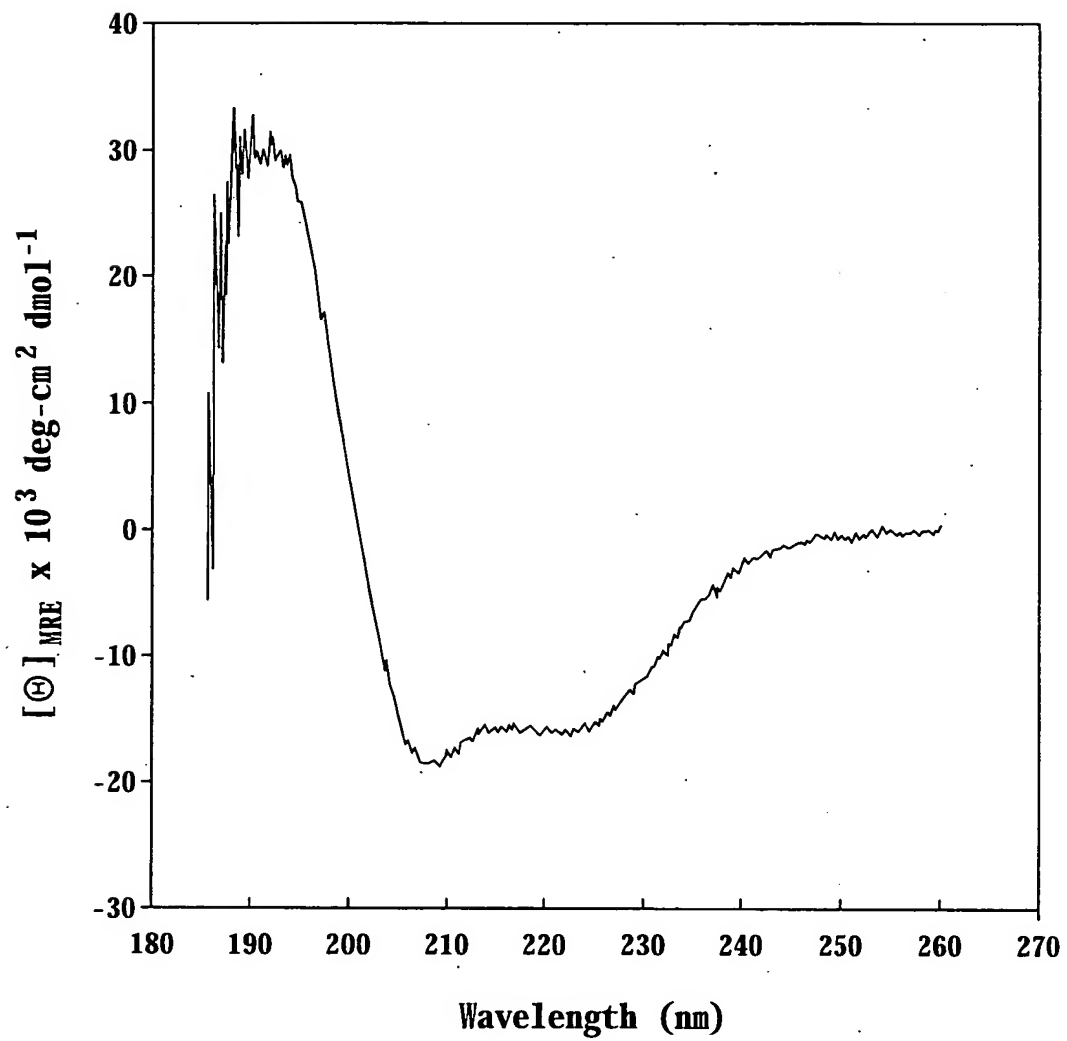


FIG. 6

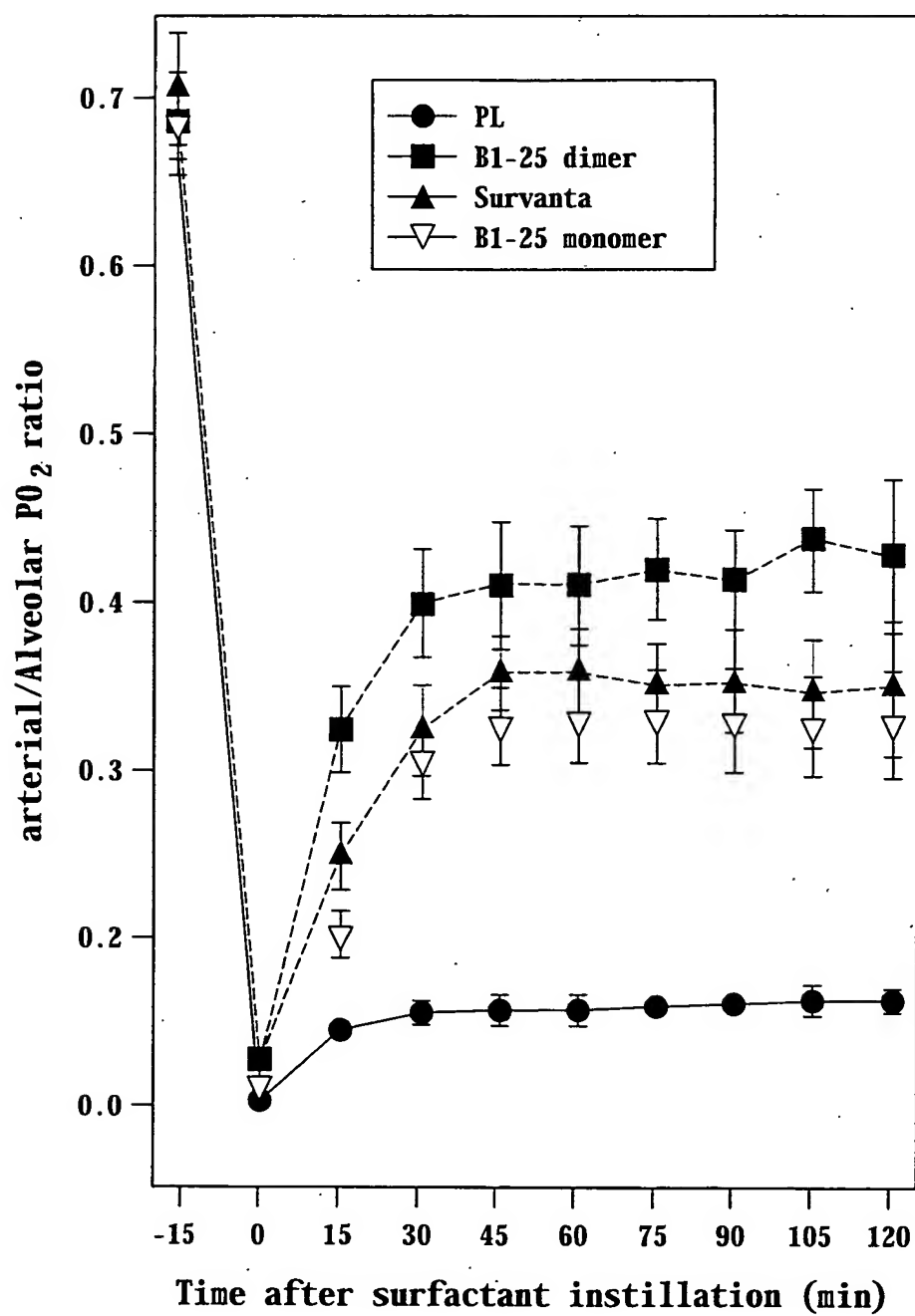
arterial/Alveolar P_{O_2} ratio in lavaged rats

FIG. 7

Pressure-volume curves in lavaged rats

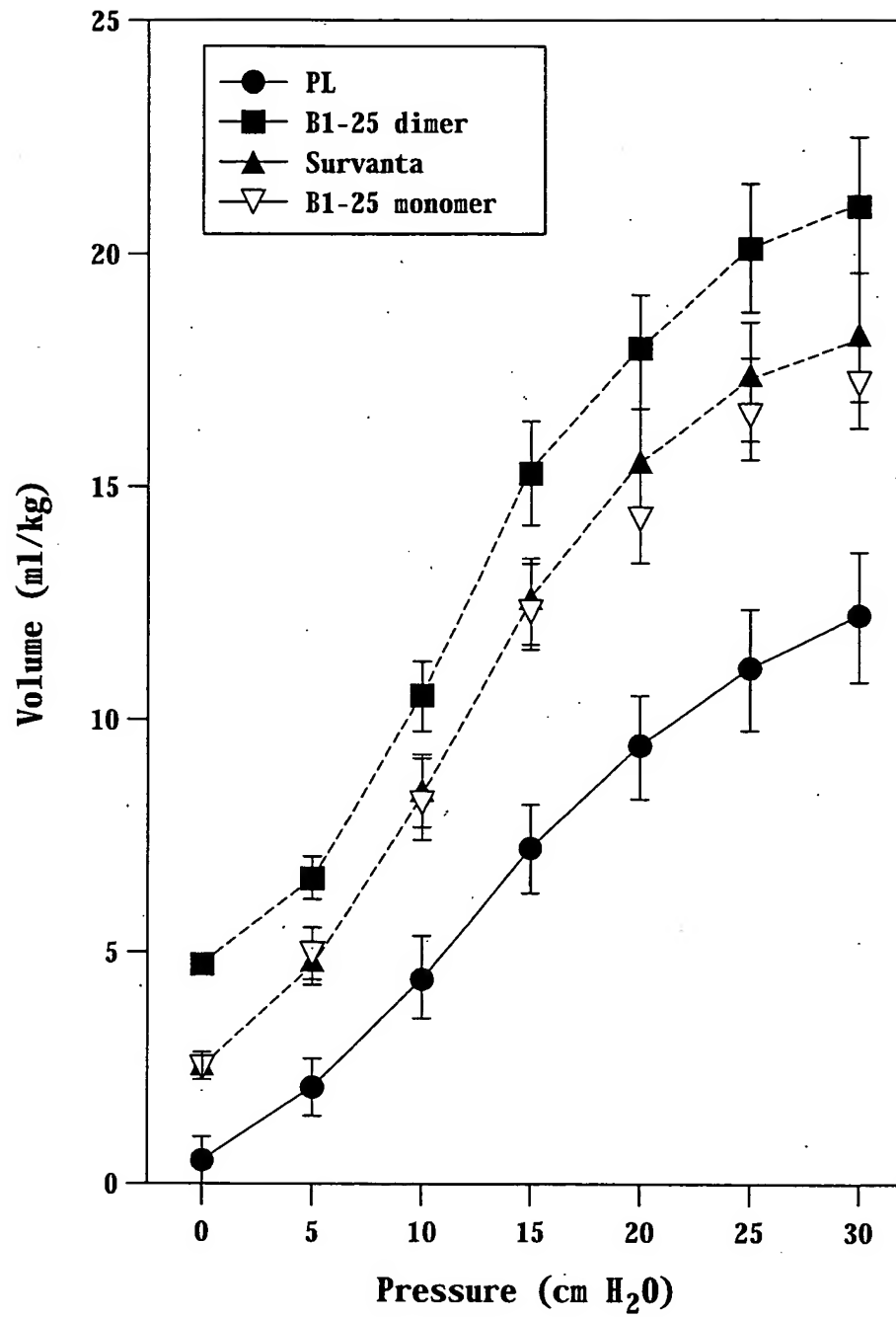


FIG. 8

Pressure-volume curves in 27 d gestation rabbits

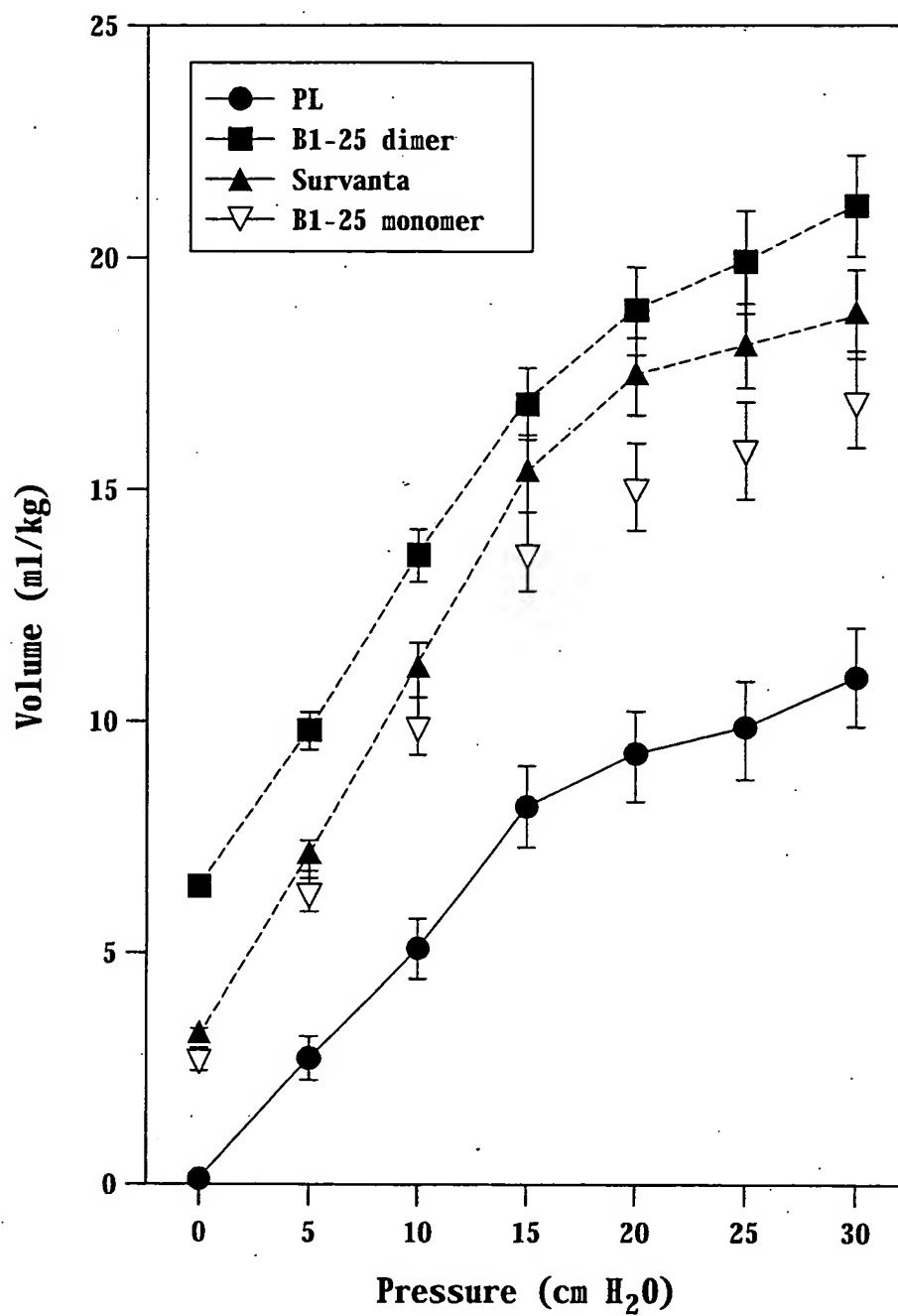


FIG. 9